



LEGEND

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THE TIME.

ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS ARE AS SHOWN ON DRAWING.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY FRED LECH, PARTY CHIEF, ABOARD THE USCGC SURVEY VESSEL WHEELER.

POSITIONING: TSS POS-NV
DATA PROCESSOR: DELL 330 PC
SOFTWARE: HYPACK
PLOTTER: CADJET
SONIC SOUNDER: RESON SEABAT 8125

GRID COORDINATES

GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (2113), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.

DIRECTIONS

ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS ARE AS SHOWN ON DRAWING.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY FRED LECH, PARTY CHIEF, ABOARD THE USCGC SURVEY VESSEL WHEELER.

POSITIONING: TSS POS-NV
DATA PROCESSOR: DELL 330 PC
SOFTWARE: HYPACK
PLOTTER: CADJET
SONIC SOUNDER: RESON SEABAT 8125

NOTES:

- GAGES USED ARE A WEIGHTED AVERAGE OF GAGES OBTAINED ELECTRONICALLY VIA THE INTERNET FROM NOAA GAGES AT WYANDOTTE (304) AND GIBRALTAR (705), MICHIGAN.
- POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 kHz, 200 BPS
- DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSED MULTIBEAM ECHOSOUNDER SYSTEM AND ODOM DIGIBAR PRO 081200 VELOCITY PROFILER.
- EDITED MULTIBEAM SOUNDINGS WERE SORTED INTO A 37 FT. BY 15 FT. MATRIX. THE SHALLOWEST SOUNDING LOCATED IN EACH MATRIX CELL WAS THEN SELECTED FOR PLOTTING AT THE CELL CENTER.

NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DESIGNED BY:	DETROIT RIVER, MICHIGAN TRENTON CHANNEL CS 464+00 TO 490+00 MULTI-BEAM SWEEP SURVEY RESULTS MINIMUM DEPTH PLOT		
DRAWN BY:	J.B.	24 OCTOBER 2006	
CHECKED BY:			
REVIEWED BY:			
SUBMITTED BY:	P.E.	APPROVAL RECOMMENDED: P.E. CHIEF, PROJ. OPS. SEC	
APPROVED:	P.E.	SCALE AS SHOWN CHIEF, CONSTRUCTION - OPERATIONS DIVISION	
DRAWING NUMBER 141s1006.dgn			